FORM PTO (REV 10-200	03)	ATTORNEY'S DOCKET NUMBER					
Т	RANSMITTAL LETTER TO THE UNITED STATES	17081/008001					
	DESIGNATED/ELECTED OFFICE (DO/EO/US)	U.S. APPLICATION OF 150 0 77 GR (A) 2					
DEED	CONCERNING A FILING UNDER 35 U.S.C. 371	PRIORITY DATE CLAIMED					
INTERN	IATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PCT/KR02/02399 20 December 2002	15 March 2002					
TITLE	OF INVENTION APPARATUS AND METHOD FOR MANUFACTUR						
	SEMISOLID RAPID TOOLING						
APPLIC	ANT(S) FOR DO/EO/US Koo-Dong Kim et al.						
Applicant	therewith submits to the United States Designated/Elected Office (DO/EO/US) the	following items and other information:					
1. x	This is a FIRST submission of items concerning a filing under 35 U.S.C.						
2.	This is a SECOND or SUBSEQUENT submission of items concerning a	·					
l	This is an express request to begin national examination procedures (35 U						
3. <u>x</u>	include items (5), (6), (9) and (21) indicated below.	J.S.C. 371 (1)). The submission must					
4. x	The US has been elected (Article 31).						
5. x	A copy of the International Application as filed (35 U.S.C. 371 (c)(2))						
a.	is attached hereto (required only if not communicated by the Internati	onal Bureau).					
Ъ.	x has been communicated by the International Bureau.						
c.	is not required, as the application was filed in the United States Recei	ving Office (RO/US).					
6. x	An English language translation of the International Application as filed (
_							
a.	x is attached hereto.	· •					
b.	has been previously submitted under 35 U.S.C. 154(d)(4).						
7	Amendments to the claims of the International Application under PCT Ar	rticle 19 (35 U.S.C. 371 (c)(3))					
a.	are attached hereto (required only if not communicated by the Interna	tional Bureau).					
ъ.	have been communicated by the International Bureau.	·					
c.	have not been made; however, the time limit for making such amendments has NOT expired.						
d.	have not been made and will not be made.						
8.	An English language translation of the amendments to the claims under P	CT Article 19 (35 U.S.C. 371 (c)(3)).					
9. x	An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).						
10. x	10. X An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).						
Items 11	to 20 below concern document(s) or information included:						
11.	An Information Disclosure Statement under 37 CFR 1.97 and 1.98.						
12. x	An assignment document for recording. A separate cover sheet in compli-	ance with 37 CFR 3.28 and 3.31 is included.					
13.	A preliminary amendment.						
14. x	An Application Data Sheet under 37 CFR 1.76.						
15.	A substitute specification.						
16.	A power of attorney and/or change of address letter.						
17.	A computer-readable form of the sequence listing in accordance with PC	Γ Rule 13 <i>ter</i> .2 and 37 CFR 1.821 - 1.825.					
18. x	A second copy of the published international application under 35 U.S.C.	154(d)(4).					
19.	A second copy of the English language translation of the international app	plication under 35 U.S.C. 154(d)(4).					
20. x	Other items or information: Copy of International Search Report; Return	n Receipt Postcard					

U.S. APPLICATION O. GALDON	507972	INTERNATIONAL APPLICATE PCT/KR02		ATTORNEY'S DOCKET NUM	·		
21. x The following fees are submitted:				CALCULATIONS PTO USE ONLY			
BASIC NATIONAL FI							
and International Sea	1080.00						
USPTO but Internati							
but international sear							
but all claims did no International prelimi							
	- ·	le 33(1)-(4)		\$ 1,080.00	1		
Surcharge of \$130.00 for							
from the earliest claimed				\$			
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE				
Total claims	22-22 =		x	\$ 0.00			
Independent claims	2-3 =		x	\$ 0.00	· · · · · · · · · · · · · ·		
MULTIPLE DEPENDE			+	\$. 1,080.00	<u> </u>		
Annlicant claims s		L OF ABOVE CALCU 37 CFR 1.27. The fees		,	 		
are reduced by ½.	man entity status. See	37 CFR 1.27. The ices	mulcated above	\$ 540.00			
		S	UBTOTAL =	\$ 540.00			
Processing fee of \$130.0 from the earliest claimed			an 30 months	\$			
		TOTAL NATIO	ONAL FEE =	\$ 540.00			
	Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property						
		TOTAL FEES E	NCLOSED =	\$ 580.00			
				Amount to be refunded:	s		
				charged:	S		
a. A check in the	amount of \$	to co	ver the above fees	is enclosed.			
b. Please charge	my Deposit Account N	lo.	in the amount	of \$			
	• •	copy of this sheet is enc	_				
c. X The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0591 . A duplicate copy of this sheet is enclosed.							
d. x Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.							
NOTE: Where an appropriate time limit under 37 CFR 1.495 has n <u>ot bee</u> n met, a petition to revive							
(37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.							
SEND ALL CORRESPONDENCE TO:							
			GNA/TURE: /	lonathan P. Osha			
	,	N	AME				
CUSTOMER NUMBER; 225	33,986						
COSTONIER NOWIDER, 223	••	EGISTRATION NU	<u> </u>				

DT04 Rec'd PCT/PTO 1 5 SEP 2004

PT0/SB/17 (10-03)

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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CCC TOANOMITTAL		Complete if-Known FOTOTO						
FEE TRANSMITTAL	.				f.	Not Yet Assigned U		
for EV 2004					Concurrently Herewith			
for FY 2004						Koo-Dong Kim		
Effective 10/01/2003. Patent fees are subject to annual revision.						Not Yet Assigned		
X Applicant claims small entity status. See 37 CFR 1.27		Art Unit N/A						
TOTAL AMOUNT OF PAYMENT (\$) 580.00		Attorney Docket No. 17081/008001						
METHOD OF PAYMENT (check all that apply)					CALCULA			
Credit Money		DDITIO	20141			11011 (00)		
Check X Card Order Other None Deposit Account: 50-0591		e Entity		Entity	-			
Account Number 50-0591	Code	(\$)	Code	(\$)		Fee Desc	ription	Fee Paid
Deposit Account Osha & May L.L.P.	1051	130	2051	65	Surcharge -	_		
Name The Director is authorized to: (check all that apply)	1052	50	2052	25	Surcharge – sheet.	late provisio	nal filing fee or cover	
Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-English	specification	1	
Charge any additional fee(s) or any underpayment of fee(s)	1812	2,520	1812	2,520	For filing a re-	quest for ex p	arte reexamination	
	1804	920*	1804	920*			f SIR prior to	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	1,840*	1805	1.840*	Requesting (oublication o	f SIR after	
FEE CALCULATION	1251	110	2251	55	Examiner ac Extension fo	tion		
I. BASIC FILING FEE	1252	420	2252	210			second month	
Large Entity Small Entity	1253	950	2253	475	Extension fo	r reply within	third month	
Fee Fee Fee Fee Fee Description Fee Paid	1254	1,480	2254	740	Extension fo	r reply within	fourth month	
1001 770 2001 385 Utility filing fee	1255	2,010	2255	1,005	Extension fo	r reply within	i fifth month	
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Ap	peal		
003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief		f an appeal	
004 770 2004 385 Reissue filing fee	1403		2403	145	Request for		lie vee erecarding	
005 160 2005 80 Provisional filing fee	1451 1452	-	1451 2452	1,510 55	Petition to in Petition to re	· ·	lic use proceeding oidable	
SUBTOTAL (1) (\$) 0.00	1453	1,330	2453	665	Petition to re			
EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501	665	Utility issue t			
Extra Fee from Claims below Fee Paid	1502	480	2502	240	Design issue	,		
otal Claims 22 -22** = x = 0.00	1503	640	2503	320	Plant issue f	ee		
ndependent 2 3** = 0.00	1460	130	1460	130	Petitions to t	he Commiss	sioner	
laims 2 3 1 2 3 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3	1807	50	1807	50	Processing f	ee under 37	CFR 1.17(q)	
arge Entity Small Entity	1806	180	1806	180	Submission	of Informatio	n Disclosure Stmt	
Fee Fee Fee Fee Description	8021	40	8021	40			ssignment per of properties)	40.00
Code (\$) Code (\$)	1809	770	2809	385	Filing a subn	nission after	final rejection	
1201 86 2201 43 Independent claims in excess of 3					(37 CFR 1.1 For each add		ation to be	
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	examined (3	7CFR 1.129	(b))	
1204 86 2204 43 ** Reissue independent claims over original patent	1801	770	2801	385	Request for Request for		xamination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802		1802	900	of a design a	application		E40.00
	1	fee (spe		2611 iioa Foo	PCT: PTO n			540.00
**or number previously paid, if greater; For Reissues, see above	-Kedi	uced by I	basic F	ııng Fee	· r210	SUBTO	TAL (3) (\$)	580.00
SUBMITTED BY					•	(Complete	(if applicable))	
Name (Print/Type) Jonathan P. Osha		ration No		,986			(713) 228-8600	
	(Attorn	isy/Agailly						
Signature (Date	September 15,	ZUU4
I hereby certify that this correspondence is being deposited in an envelope addressed to: Commissioner for Patents-P	with th	ne Ų:S,	Postal	Servic	e as Expres	s Mail, Airl	bill No. EY 5260 4	92421

_ (Toni A. Hill) Signature: Dated: September 15, 2004

Attorney Docket No.: 17081/008001

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Transmittal Letter to the United States Designated-Elected Office

10/507972 OT12 Rec'd PCT/PTO 15 SEP 2004

Application No. (if known): 10/168,261	Attorney Do	ocket No.: 04422/002

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Declaration (Korean Language)

•	D104166 0101/110	150
Application No. (if known):	Attorney Docket No.: 1708	31/008001
Certificate of Exp	ress Mailing Under 37 CFR 1.10	
I hereby certify that this correspon Express Mail, Airbill No. EV52606	ndence is being deposited with the United States Postal Services 9242US in an envelope addressed to:	ce as
MS PCT Commissioner for F P.O. Box 1450 Alexandria, VA 223		
on September 15, 2004 Date	·	
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Typed or print	Signature Toni A. Hill ted name of person signing Certificate	
Note: Each paper must have its each submitted paper. Application Data Shee	s own certificate of mailing, or this certificate must identify	
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